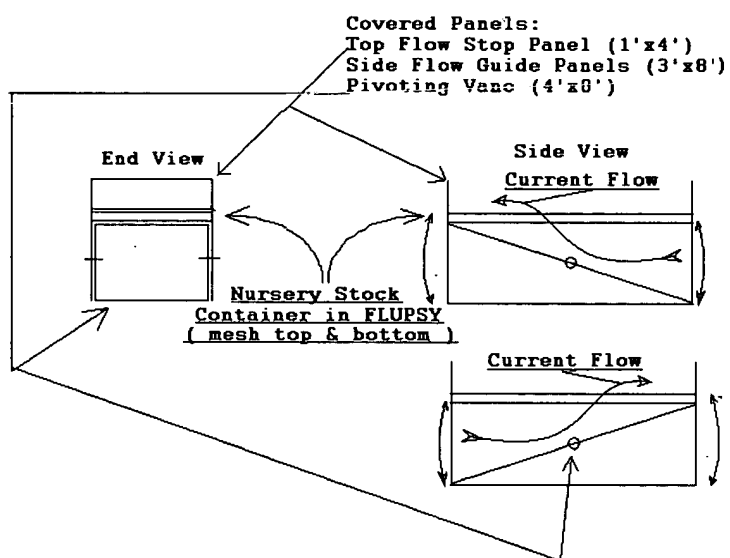


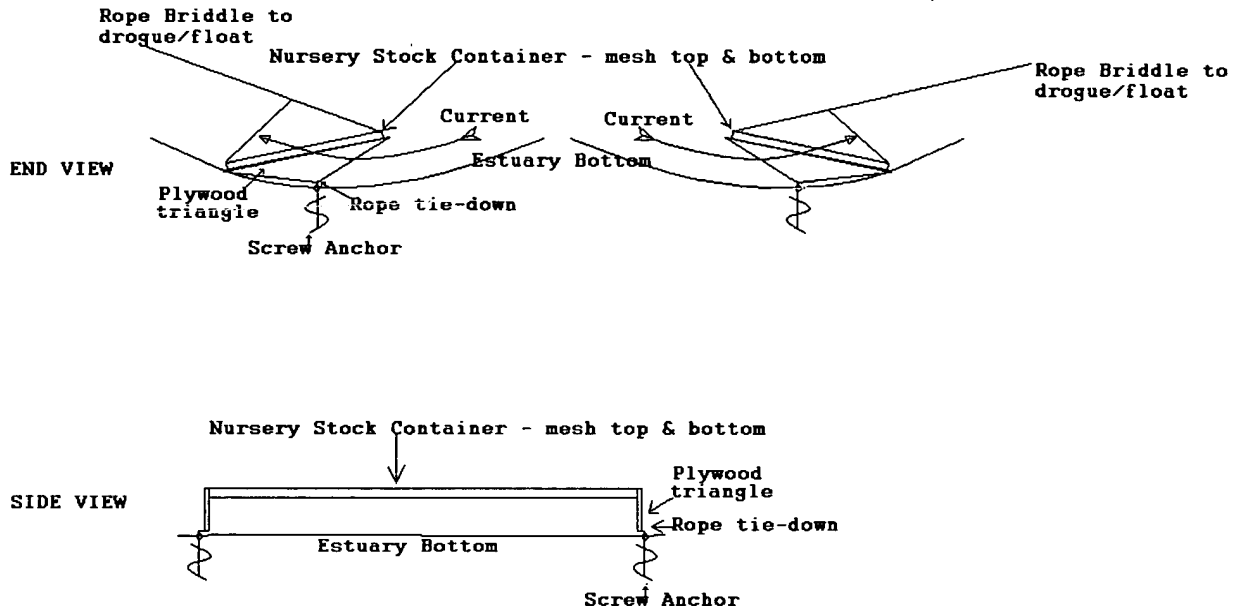
#5

FIG. 1 - FLUPSY (Floating Upweller System )



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FIG. 2 – BUPSY ( Bottom Upweller System )



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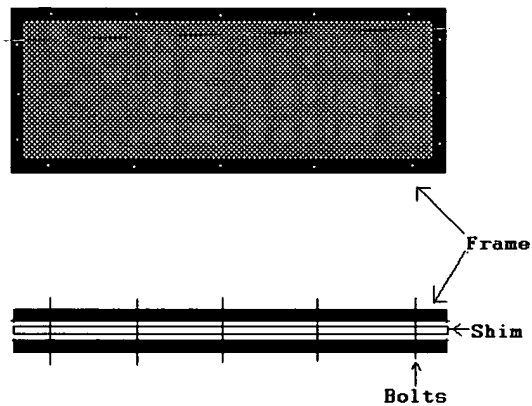
FIG. 3 - Nursery Stock Container

Provisional Patent Application

TOP VIEW - Two ridged frames, each covered with mesh ( sized to retain shellfish ), bolted together.

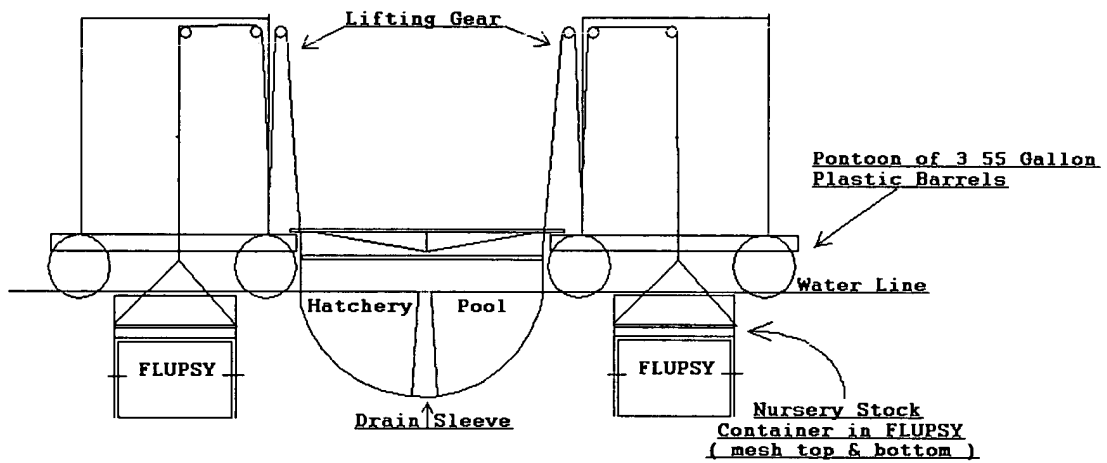
The frames are seperated with a combination of ridged and compressible (closed cell foam ) shims so that the shellfish are gently but securely held by the assembly.

SIDE VIEW



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FIG. 4 - End View of  
Spawntoon

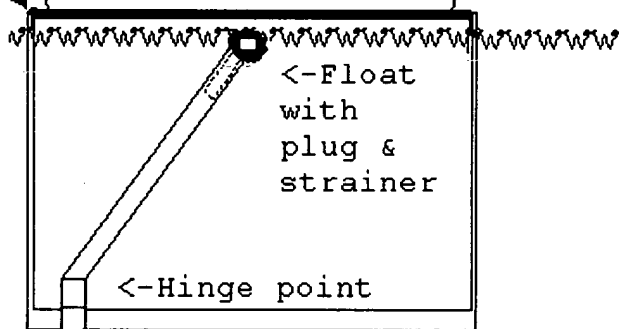


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FIG. 5 – Drain Device for floating hatchery live-well

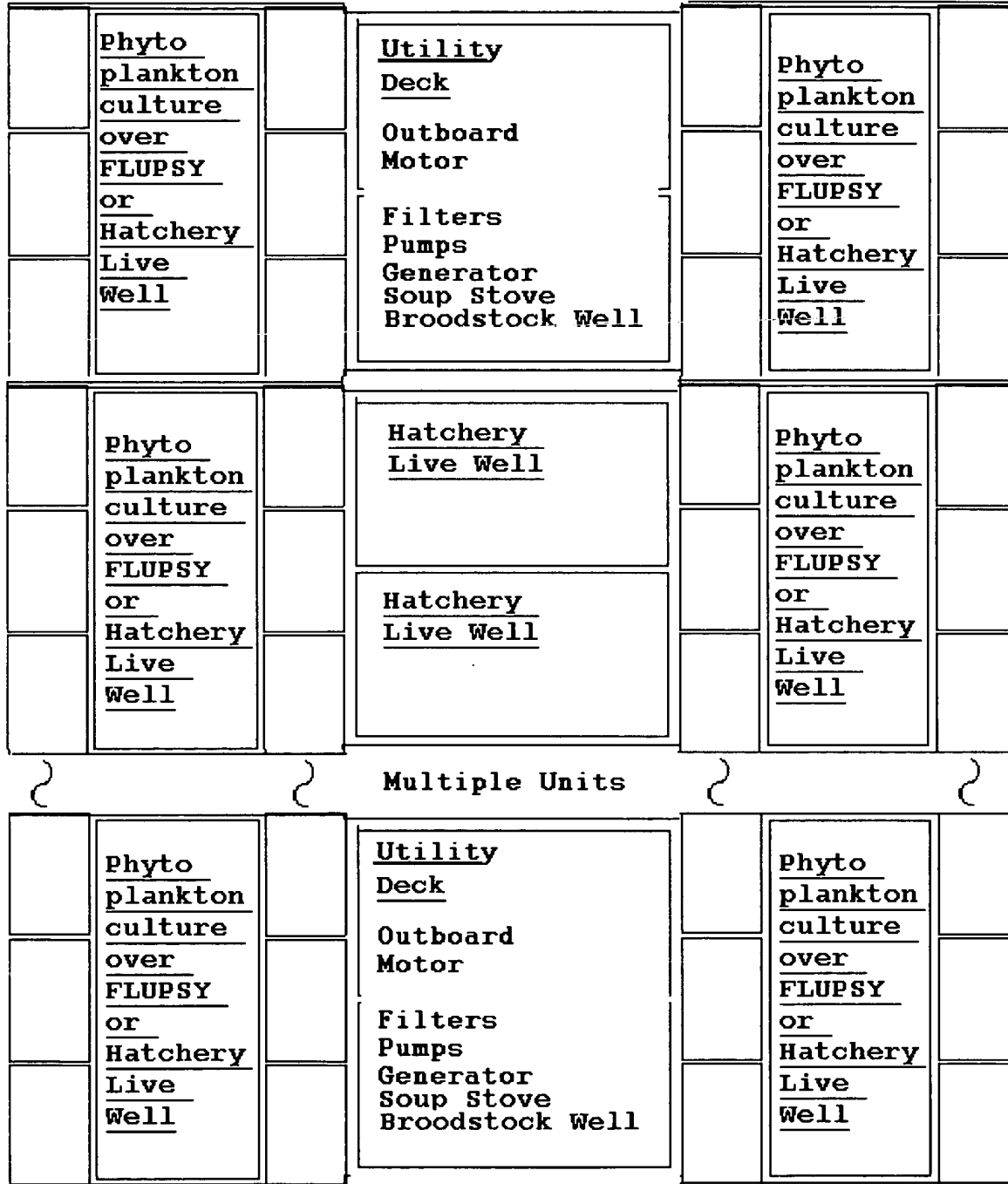
**Hatchery Live-Well**

Filled with filtered water for spawn. The drain device is plugged. The ridged frame of the Hatchery Pool is either held above the water by ropes or supported by the floatation of the live-well itself.



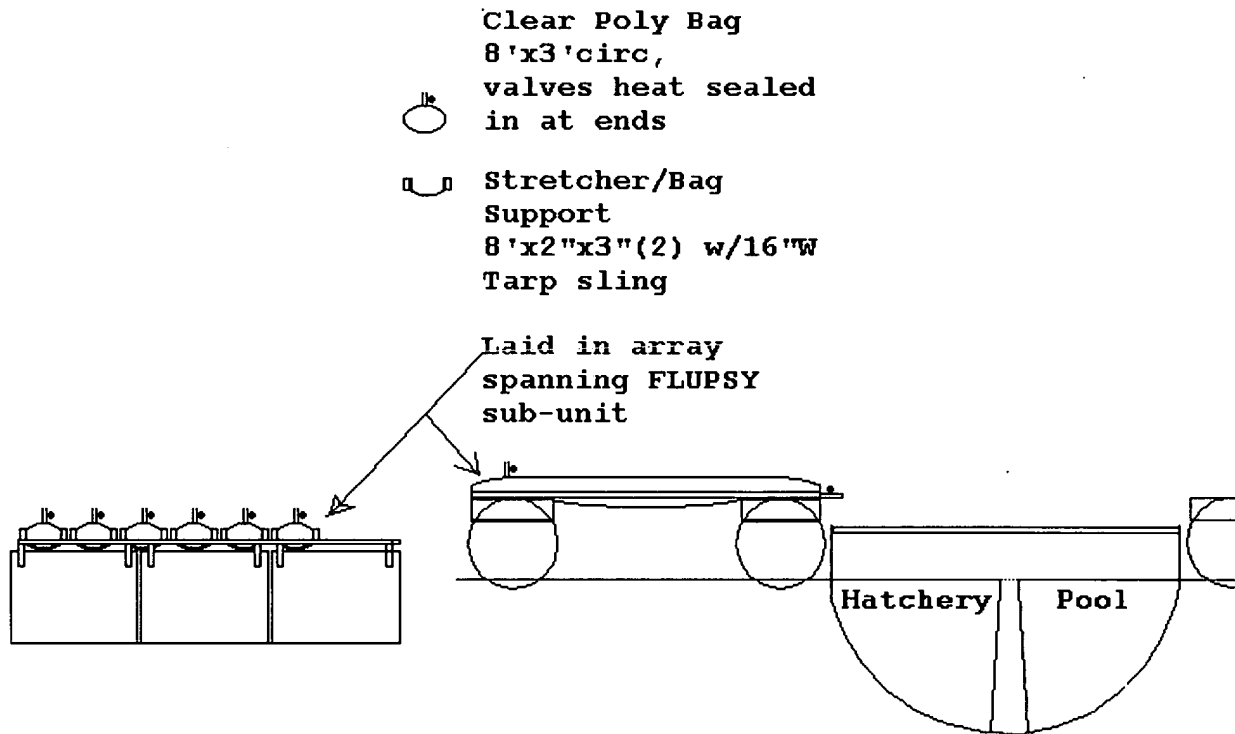
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FIG. 6 – SpawnToon Motorboat "The Mama Cass Ostrea"



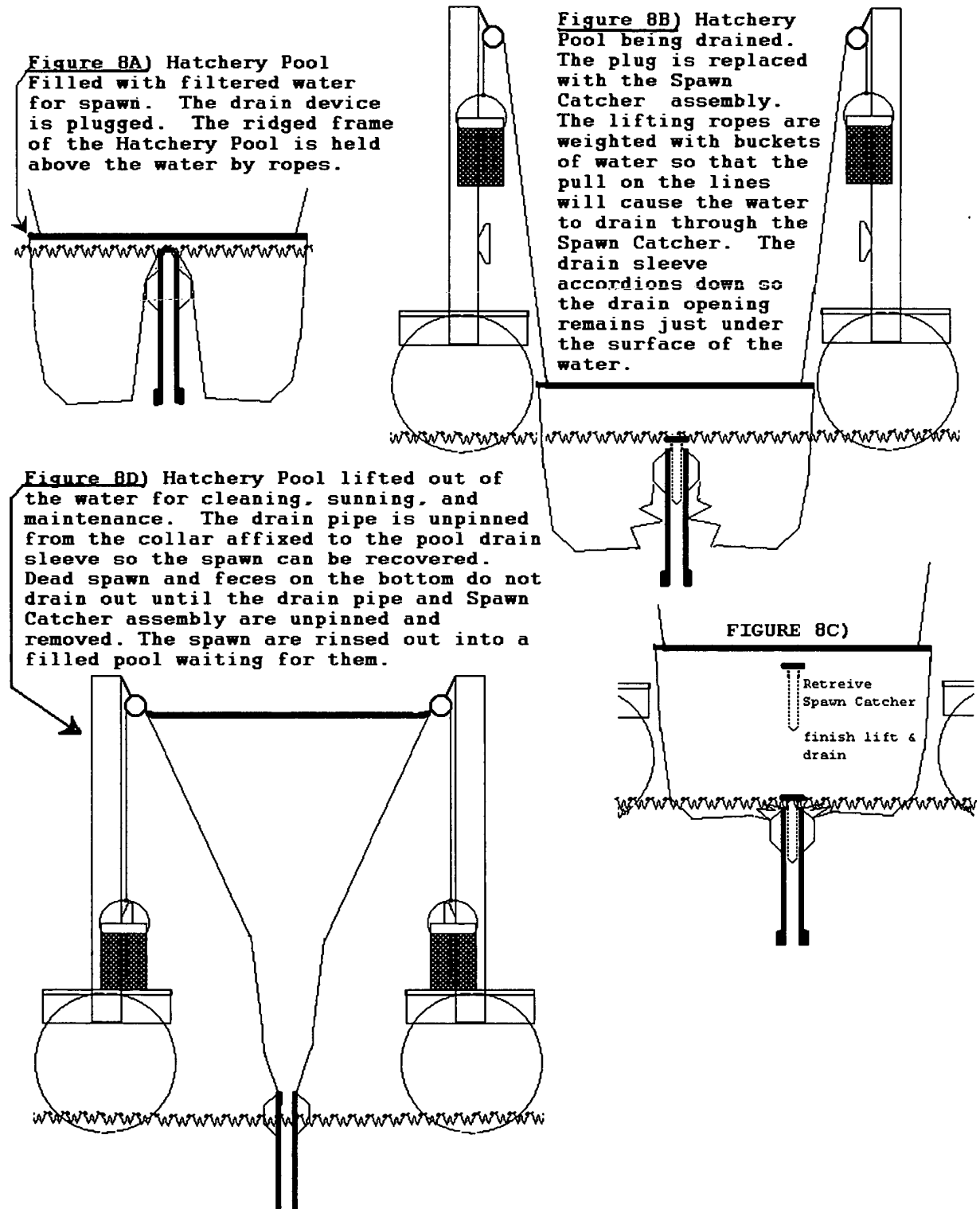
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FIG. 7 – Phytoplankton Culture: Culture Bag w/fittings, Stretcher resting on two pontoons



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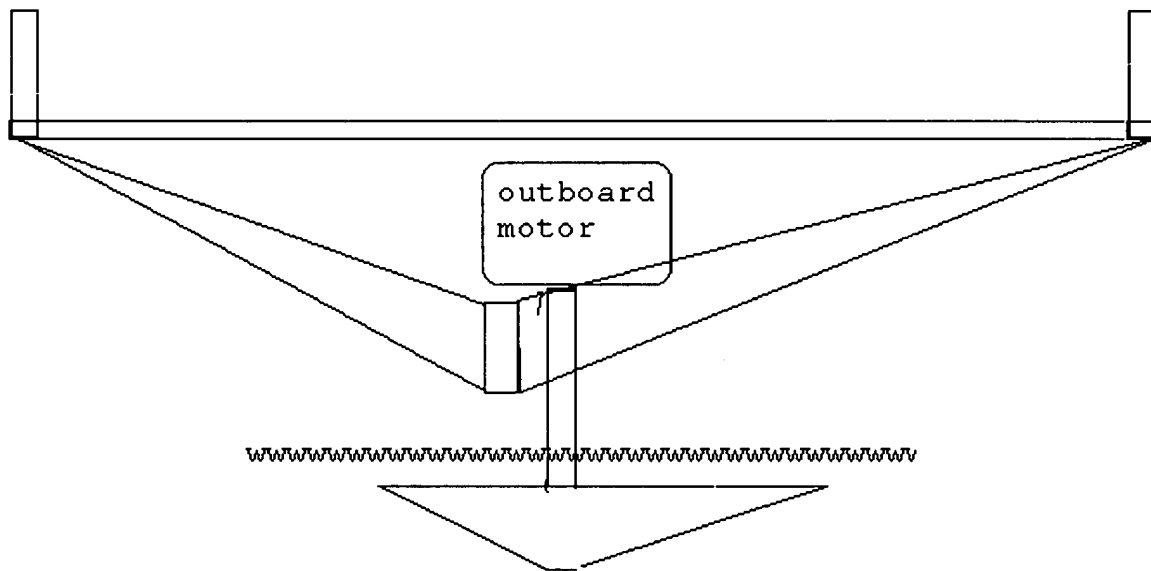
FIG. 8 – Hatchery Live Well Drain-Sleeve and Spawn Catcher



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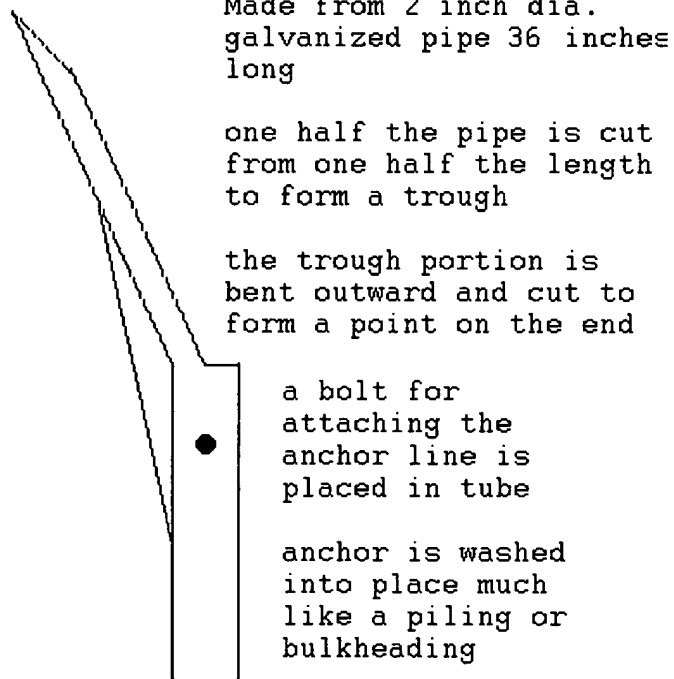
FIG. 9 - Outboard Motor Mount ( with DAVIS NOZZLE ) slung underneath SpawnToon deck,  
Profile of the Tubular Shroud surrounding the propeller and bolted to the cavitation plate



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FIG. 10 - Davis Harpoon anchor

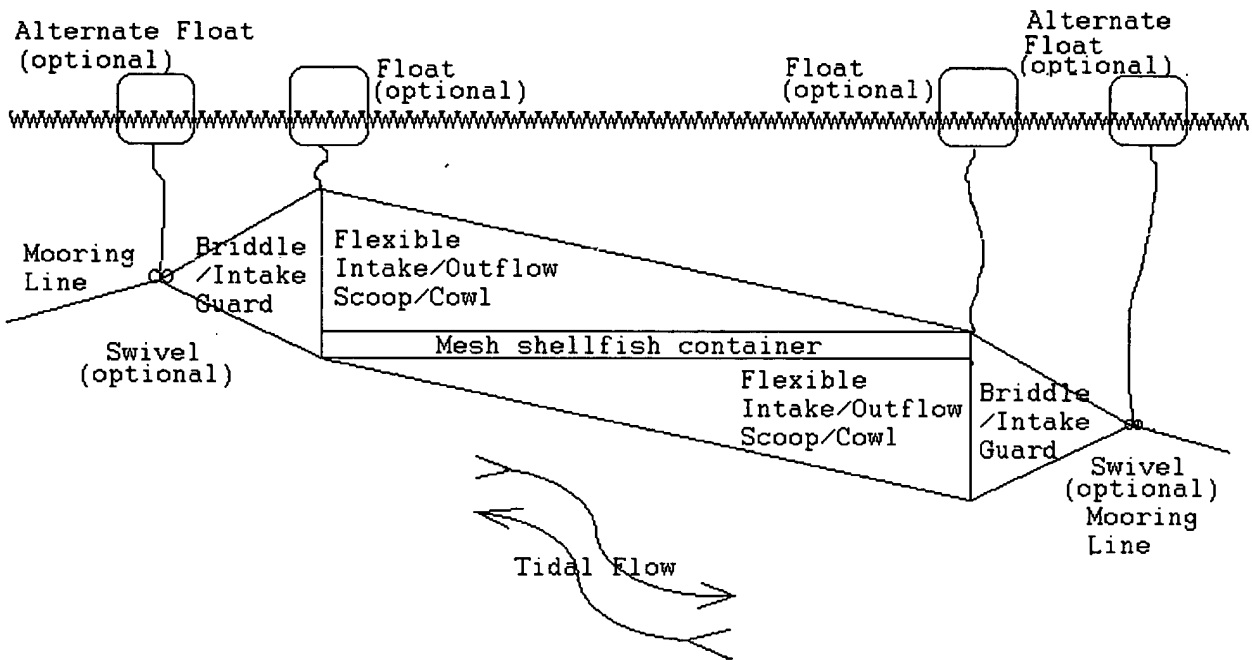
**Figure 10) DAVIS HARPOON ANCHOR**



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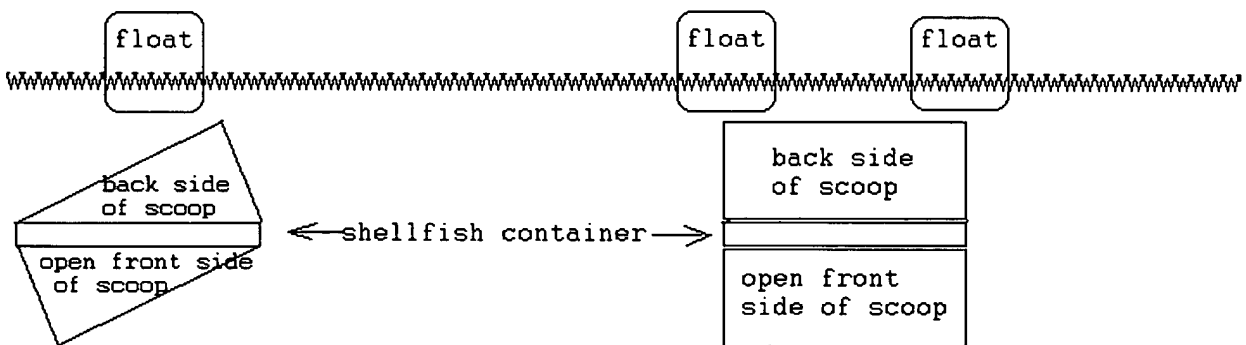
**Figure 11 A) TWELLER : side view**

Two Way Upweller/Downweller Shellfish Growing Device



**FIGURE 11 B) TWELLER: end view**

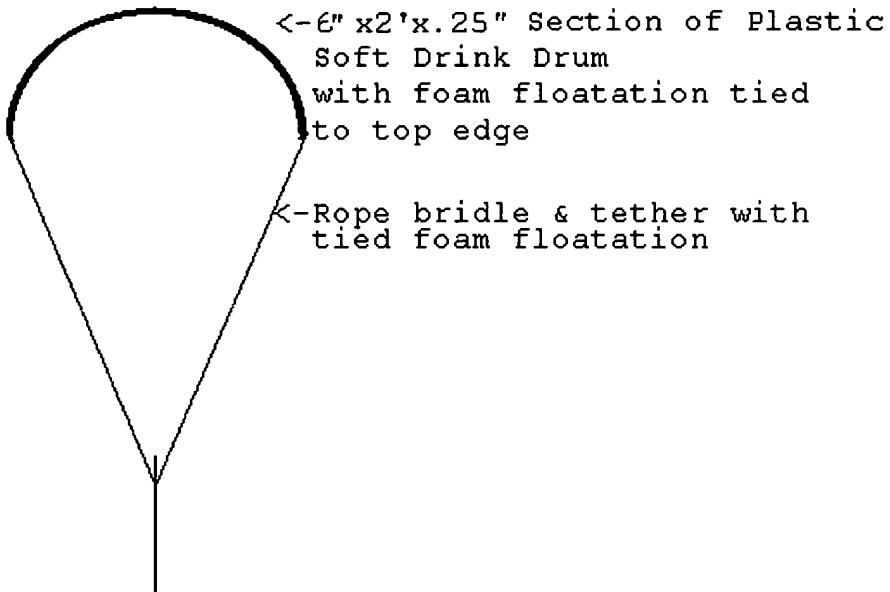
Rotating Option  
 on swiveled mooring



**FIG. 11 - TWELLER**

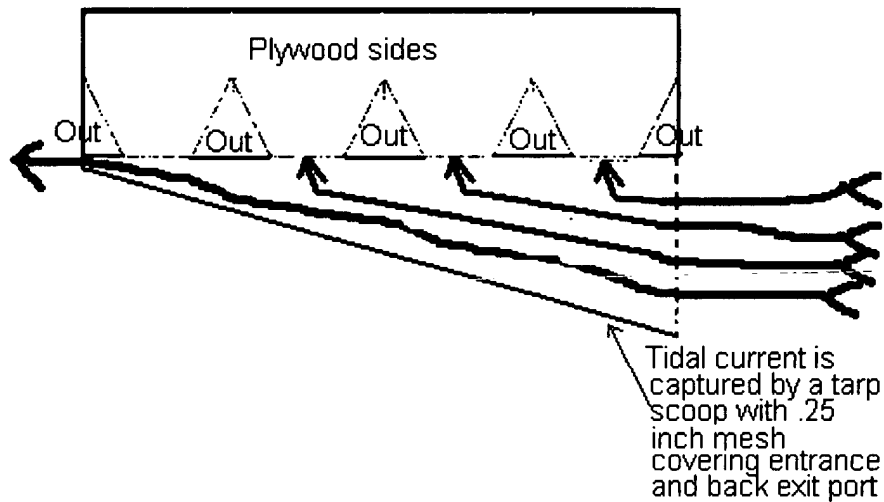
FIG. 12 – Float-Drogue

Figure 12) Float-Drogue



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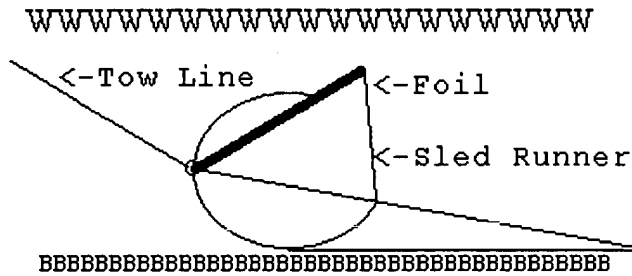
FIG. 13 Grounding Tolerant FLUPSY scoop of CLAIM 9 servicing a crenellated Marsupium.  
Side View



Water out through triangular ports in the side  
after passing through a 38 micron mesh crenallation panel  
Plywood panel seperates inbound water from outbound  
water in the crenallation

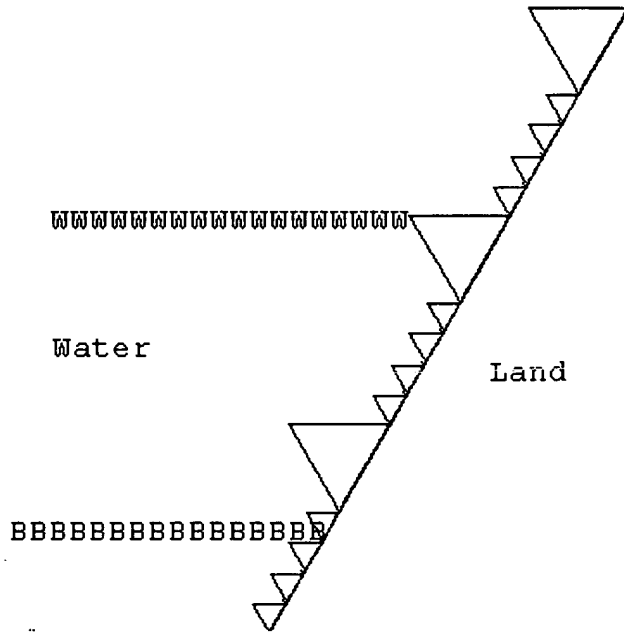
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FIG. 14 – Resuspension Drag Foil of CLAIM 17



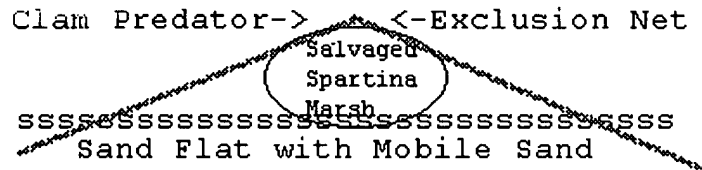
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FIG. 15 – Waffle Bulkhead



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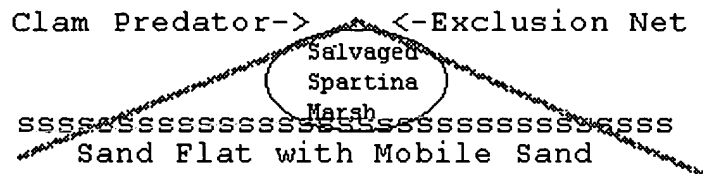
FIG. 16 – Shellfish Geostructure of CLAIM 11



**SECRET**

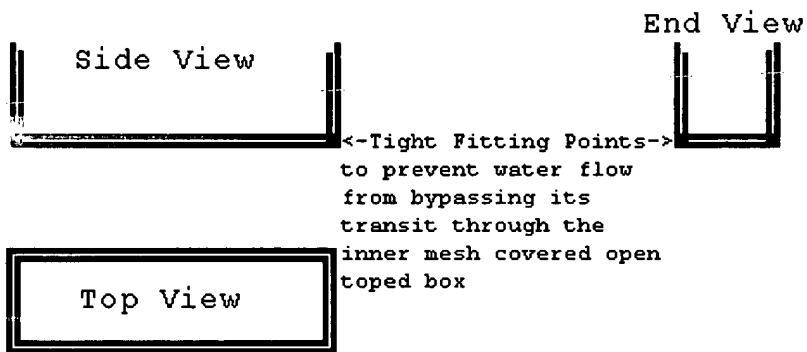


FIG. 17 – BUPSY of CLAIM 8 ( for low current or under possible boat traffic )



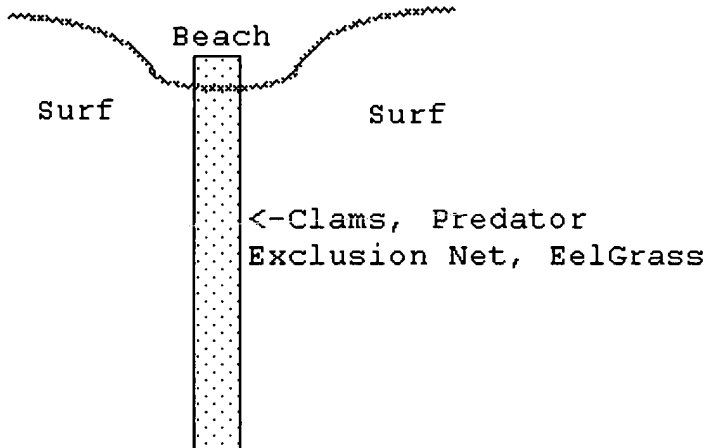
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FIG. 18 – Shellfish Hatchery-Nursery Container of CLAIM 16: Set of two nested open top  
Self Cleaning screen set of CLAIM 7 used by the Marsupium



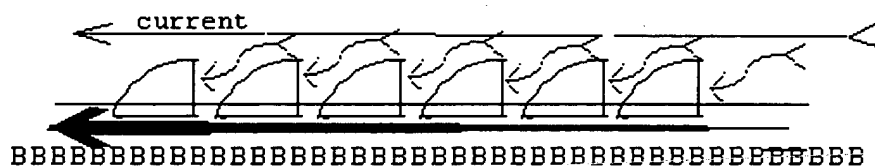
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FIG. 19 – Shellfish:SAV Polyculture Groin and Breakwater Substitute of CLAIM 18



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FIG. 20 Foil Array of CLAIM 10 used for current powered directional sediment Transport



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